



# Microphone Unit Type 4193-C-004

Brüel & Kjær

Calibration Chart

IEEE P1451.4 calibration, UTID = 769

Serial No. : 2357559

Serial No. (Microphone) : 2305414

Serial No. (2669C) : 2321698

Combined Sensitivity: -52.7 dB re 1V/Pa

Equivalent to: 2.31 mV/Pa

Uncertainty, 95 % confidence level ±0.3 dB

### Valid At:

Temperature: 23 °C

Ambient Static Pressure: 101.3 kPa

Relative Humidity: 50 %

Frequency: 251.2 Hz

Polarization Voltage, external 200 V

### Sensitivity Traceable To:

DPLA: Danish Primary Laboratory of Acoustics

NIST: National Institute of Standards and Technology, USA

Procedure: 780231 Date: 30. May. 2002 Sign.: *ala*



Brüel & Kjær

Serial No:

# Low-frequency Pressure-field 1/2" Microphone Type 4193

Calibration Chart

2305414

Open-circuit Sensitivity\*, S<sub>0</sub>: -37.1 dB re 1V/Pa

Equivalent to: 14.0 mV/Pa

Uncertainty, 95 % confidence level 0.2 dB

Capacitance: 19.6 pF

### Valid At:

Temperature: 23 °C

Ambient Static Pressure: 101.3 kPa

Relative Humidity: 50 %

Frequency: 251.2 Hz

Polarization Voltage, external: 200 V

### Sensitivity Traceable To:

DPLA: Danish Primary Laboratory of Acoustics

NIST: National Institute of Standards and Technology, USA

IEC 61094-4: Type WS 2 P

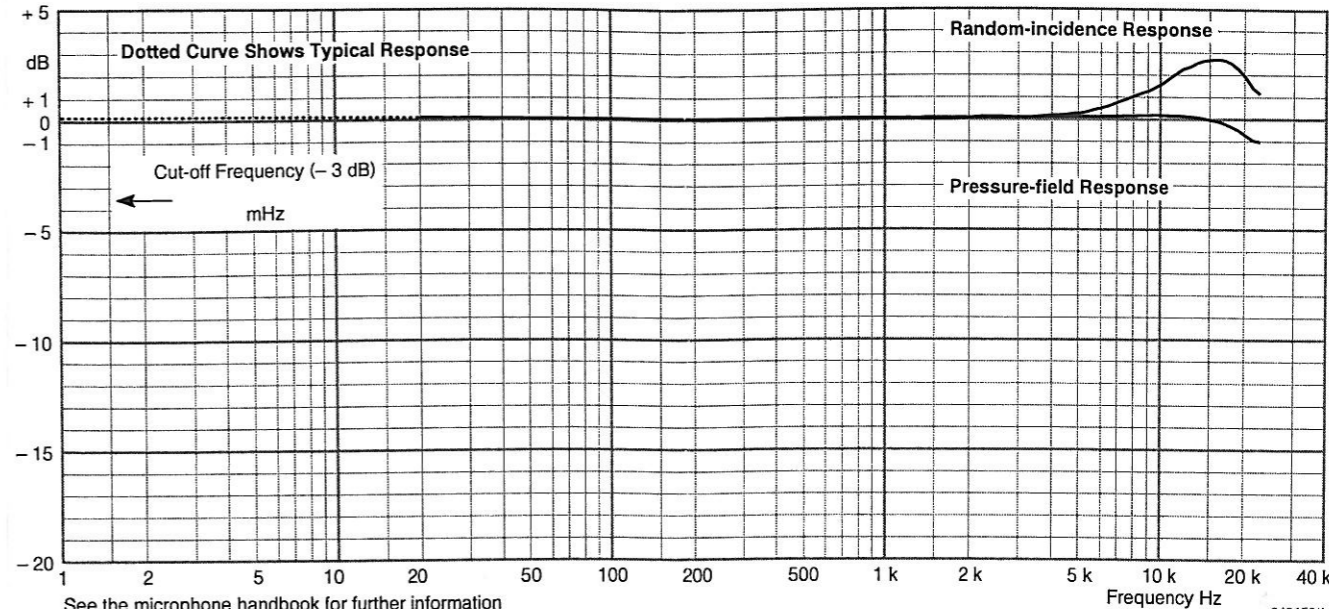
### Environmental Calibration Conditions:

101.1 kPa 23 °C 41 % RH

Procedure: 704219 Date: 8. Mar. 2002 Signature: *ala*

\*K<sub>0</sub> = -26 - S<sub>0</sub> Example: K<sub>0</sub> = -26 - (-38) = +12 dB

BC 0228 - 12



See the microphone handbook for further information